

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 210121.411C9		APPLICATION NO. 09/072,967.	
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)				APPLICANTS Steven G. Reed et al.		10/084843	
				FILING DATE May 5, 1998		GROUP ART UNIT 1645	

J-10186 U.S. PTO  
 10/084843  
 09/072,967

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
BAG	AA	5,108,745	4/28/92	Horwitz	424	92	
	AB						
	AC						
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FOREIGN PATENT DOCUMENTS								
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
					YES	NO		
BAG	AE	EP 419 355 A1	3/27/91	EPO				
	AF	EP 519 218 A2	12/23/92	EPO (WPI Acc. No. 92-390976)				X
BAG BAG BAG	AG	WO 88/05823	8/11/88	PCT				
	AH	WO 91/04272	4/4/91	PCT				
	AI	WO 91/14448	10/3/91	PCT				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
BAG	AJ	Andersen and Hansen, "Structure and Mapping of Antigenic Domains of Protein Antigen b, a 38,000-Molecular-Weight Protein of <i>Mycobacterium tuberculosis</i> ," <i>Infection and Immunity</i> 37(8):2481-2488, 1989.
	AK	Andersen et al., "Identification of Immunodominant Antigens during Infection with <i>Mycobacterium tuberculosis</i> ," <i>Scand. J. Immunol.</i> 36:823-831, 1992.
	AL	Andersen, P., "Effective Vaccination of Mice against <i>Mycobacterium tuberculosis</i> Infection with a Soluble Mixture of Secreted Mycobacterial Proteins," <i>Infection and Immunity</i> 62(6):2536-2544, 1994.
	AM	Ausebel et al., "Isolation of Proteins for Microsequence Analysis," in <i>Current Protocols in Molecular Biology</i> , Wiley & Sons, New York, 1993, pgs. 10.19.1-10.19.12.
	AN	Barnes et al., "Immunoreactivity of a 10-kDa Antigen of <i>Mycobacterium tuberculosis</i> ," <i>The Journal of Immunology</i> 148(6):1835-1840, 1992.
	AO	Boesen et al., "Human T-Cell Responses to Secreted Antigen Fractions of <i>Mycobacterium tuberculosis</i> ," <i>Infection and Immunity</i> 63(4):1491-1497, 1995.
	AP	Borremans et al., "Cloning, Sequencing Determination, and Expression of a 32-Kilodalton-Protein Gene of <i>Mycobacterium tuberculosis</i> ," <i>Infection and Immunity</i> 57(10):3123-3130, 1989.

EXAMINER 	DATE CONSIDERED 5-4-05
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FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 210121.411C9	APPLICATION NO. <del>091072,967</del> 10/024843
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)		APPLICANTS Steven G. Reed et al.	
		FILING DATE May 5, 1998	GROUP ART UNIT 1645

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
AE	WO 92/04049	3/19/92	PCT			
AF	WO 92/14823	9/3/92	PCT			
AG	WO 92/21758	12/10/92	PCT			
AH	WO 94/00493	1/6/94	PCT			
AI	WO 95/01440	1/12/95	PCT			
AJ	WO 95/01441	1/12/95	PCT			

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

AK		Content et al., "The Genes Coding for the Antigen 85 Complexes of <i>Mycobacterium tuberculosis</i> and <i>Mycobacterium bovis</i> BCG Are Members of a Gene Family: Cloning, Sequence Determination, and Genomic Organization of the Gene Coding for Antigen 85-C of <i>M. tuberculosis</i> ," <i>Infection and Immunity</i> 59:3205-3212, 1991.
AL		Horowitz et al., "Protective immunity against tuberculosis induced by vaccination with major extracellular proteins of <i>Mycobacterium tuberculosis</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 92:1530-1534, 1995.
AM		Lowrie et al., "Towards a DNA vaccine against tuberculosis," <i>Vaccine</i> 12(16):1537-1540, 1994.
AN		Matsumoto et al., "Cloning and Sequencing of a Unique Antigen MPT70 from <i>Mycobacterium tuberculosis</i> H37Rv and Expression in BCG Using <i>E. coli</i> -Mycobacteria Shuttle Vector," <i>Scand. J. Immunol.</i> 41:281-287, 1995.
AO		Nagai et al., "Isolation and Partial Characterization of Major Protein Antigens in the Culture Fluid of <i>Mycobacterium tuberculosis</i> ," <i>Infection and Immunity</i> 59(1):372-382, 1991.
AP		Oettinger and Andersen, "Cloning and B-Cell-Epitope Mapping of MPT64 from <i>Mycobacterium tuberculosis</i> H37Rv," <i>Infection and Immunity</i> 62(5):2058-2064, 1994.

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
210121.411C9APPLICATION NO.  
~~094072,967~~ 10/084843

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS  
Steven G. Reed et al.FILING DATE  
May 5, 1998GROUP ART UNIT  
1645

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
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## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AE	WO 95/14713	6/1/95	PCT				
AF							
AG							
AH							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AI	Pal and Horwitz, "Immunization with Extracellular Proteins of <i>Mycobacterium tuberculosis</i> Induces Cell-Mediated Immune Responses and Substantial Protective Immunity in a Guinea Pig Model of Pulmonary Tuberculosis," <i>Infection and Immunity</i> 60(11):4781-4792, 1992.
AJ	Romain et al., "Isolation of a proline-rich mycobacterial protein eliciting delayed-type hypersensitivity reactions only in guinea pigs immunized with living mycobacteria," <i>Proc. Natl. Acad. Sci. USA</i> 90:5322-5326, 1993.
AK	Romain et al., "Preparation of Tuberculin Antigen L," <i>Ann. Inst. Pasteur/Microbiol.</i> 136B:235-248, 1985.
AL	Wallis et al., "Identification of Antigens of <i>Mycobacterium tuberculosis</i> Using Human Monoclonal Antibodies," <i>J. Clin. Invest.</i> 84:214-219, 1989.
AM	Wiker and Harboe, "The Antigen 85 Complex: a Major Secretion Product of <i>Mycobacterium tuberculosis</i> ," <i>Microbiological Reviews</i> 56(4):648-661, 1992.
AN	Yamaguchi et al., "Cloning and Characterization of the Gene for Immunogenic Protein MPB64 of <i>Mycobacterium bovis</i> BCG," <i>Infection and Immunity</i> 57(1):283-288, 1989.
AO	Young et al., "Screening of a Recombinant Mycobacterial DNA Library with Polyclonal Antiserum and Molecular Weight Analysis of Expressed Antigens," <i>Infection and Immunity</i> 55(6):1421-1425, 1987.

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(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
210121.411C9APPLICATION NO.  
09/073,967**SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

APPLICANTS  
Steven G. Reed et al.FILING DATE  
May 5, 1998GROUP ART UNIT  
164510/084843  
31046 U.S. PTO  
10/084843  
02/25/02**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
02/9	AA	3,943,119	3/9/76	Tsumita et al.	260	112.5R	
	AB						
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**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
02/9	AJ	FR 2 244 539	5/23/75	French				
	AK	FR 2 265 402	11/28/75	French				
	AL	WO 95/31216	11/23/95	PCT				
	AM	WO 96/15241	5/23/96	PCT				
	AN	WO 96/23885	8/8/96	PCT				
	AO	WO 97/09428	3/13/97	PCT				
	AP	WO 97/09429	3/13/97	PCT				

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